ABSTRACT

The invention relates to a process for the elimination of sulphur compounds from the diesel fraction, which is characterized in that an oxidising reaction of said sulphur compound is carried out by using at least an organic-inorganic composite as catalyst, said composite comprising Si, Ti; and silicon bonded to carbon, and organic and inorganic hydroperoxides as oxidizing agents. According to the inventive process, said organic-inorganic composite can be obtained by a method comprising a post-synthesis silylation step.